

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) ~~Method A method for manufacture of manufacturing~~
toroidal transformers, the method comprising ~~the steps of:~~

arranging a coil around ~~the a~~ periphery of at least one hollow bobbin of elongated shape and of flexible material;

bending said at least one bobbin, together with said coil, so that ends of the bobbin ~~ends~~ are brought towards each other, at least one of said bobbin ends defining an opening; and

feeding a ribbon of magnetic material through said opening, so that said ribbon is ~~being~~ wound a required amount of tightly packed winding turns inside said bobbin until ~~essentially the whole~~ substantially an entire interior cavity of said bobbin is filled, said ribbon thereby forming a core.

2. (Currently Amended) ~~The method according to claim 1, further comprising the additional step of:~~

cutting said ribbon at a desired length after having fed said ribbon through said opening.

3. (Currently Amended) Method The method according to claim 1,
further comprising the additional step of:
pre-bending said ribbon at one of the end intended to first be fed through said opening.

4. (Currently Amended) Method The method according to claim 1,
further comprising the additional step of:
providing a part of said ribbon first being fed into the bobbin ~~essentially~~
corresponding to the first wound winding inside said bobbin of said ribbon, on the side facing ~~the an~~ inner curvature of the interior hollow cavity of the bobbin, with a layer having a low coefficient of friction for facilitating sliding of said ribbon while being wound inside said bobbin.

5. (Currently Amended) Method The method according to claim 4, wherein said layer is provided by at least one of an adhesive tape having a first side with low coefficient of friction and a second side being adhesive, a coating with low coefficient of friction, and a fluid.

6. (Currently Amended) Method The method according to claim 1,
further comprising the additional step of:
arranging a flexible transmission element so that ~~#~~ the flexible transmission element is in continuous co-operation with the innermost winding of said ribbon, ~~further facilitating so as to facilitate~~ sliding of said ribbon while being wound inside said bobbin, thus forming the core.

7. (Currently Amended) ~~Method~~ The method according to claim 5,
further comprising ~~the additional step of:~~
arranging a mediating element means in connection to said ribbon for
mediating co-operation between said flexible transmission element and said ribbon,
said mediating element means engaging with said flexible transmission element over a
distance corresponding to at least a fraction of the innermost winding inside said
bobbin of said ribbon.

8. (Cancelled)

9. (Currently Amended) ~~Method~~ The method according to claim 1, wherein ~~the~~
~~step of~~ feeding said ribbon of magnetic material through said opening further
comprises:

rotating said bent bobbin together with said coil; and
stopping, ~~essentially~~ instantaneously, the rotation of said bent bobbin
together with said coil.

10. (Currently Amended) ~~Method~~ The method according to claim 1, wherein ~~the~~
~~step of~~ feeding said ribbon of magnetic material through said opening further
comprises:

injecting a medium through said opening, thereby creating a variable gap
between the outer curvature of the interior of said hollow bobbin, being in a bent
position, and said ribbon; and
leading said medium out from said hollow bobbin.

11. (Currently Amended) Method The method according to claim 1, wherein said method is performed in a magnetic field.

12. (Cancelled)

13. (Currently Amended) System for manufacture of A system for manufacturing toroidal transformers, the system comprising:

means for arranging a coil around ~~the~~ a periphery of at ~~least~~ least one hollow bobbin of elongated shape and of flexible material;

means for bending said at least one bobbin, together with said coil, so that ends of the bobbin ends are brought towards each other, at least one of said bobbin ends defining an opening; and

means for feeding a ribbon of magnetic material through said opening, so that said ribbon is being wound a required amount of tightly packed winding turns inside said bobbin until ~~essentially the whole~~ substantially an entire interior cavity of said bobbin is filled, said ribbon thereby forming a core.

14. (Currently Amended) Toroidal manufacture of toroidal transformers, according to claim 1. A toroidal transformer, comprising:

a hollow bobbin including at least one tube of flexible material having a substantially rectangular shaped interior hollow cross-section, wherein said hollow bobbin extends from a first end to a second end and is bent in such a way that said first end and said second end are brought towards each other;

a coil arranged around a periphery of said bobbin; and

a core formed by a ribbon wound inside the hollow bobbin.

15. (Currently Amended) Use of a toroidal transformer according to claim 14 in
an electrical equipment equipment, such as adapters.

16. (New) Use of a toroidal transformer according to claim 15 in adaptors.